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Version Description Document

Theater Ballistic Missile Defense (TBMD) Segment

Version 3.0.5.3

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1.   System Overview

The Theater Ballistic Missile Defense (TBMD) segment is the central user interface for the overall software capability of Theater Ballistic Missile (TBM) launch, detection, tracking, and display.

The software segment is unclassified when initially installed. However, once classified tables required by the TBMD segment are introduced into the system, the segment becomes classified to the same level as the data contained in the tables. The system displays the classification level selected during the operating system load. During operations, the system generally will be classified at the SECRET level.

2.   Referenced Documents

None.

3.   Version Description

3.1   Inventory of Materials Released

- <u>Magnetic media:</u> Two-8mm tapes consisting of the TBMD Version 3.0.5.3 Segment, Solaris 2.3 format, intended for a SPARC workstation running Global Command and Control System (GCCS) 2.2 [Unified Build (UB) 3.0.1.6G].

- <u>Magnetic media:</u> Two-4mm tapes consisting of the TBMD Version 3.0.5.3 Segment, HP-UX 9.07 format, intended for an HP workstation running GCCS 2.2 and UB 3.0.1.6G.

- One paper copy and one electronic copy (Microsoft Word 7.0) of the *Version Description Document Theater Ballistic Missile Defense (TBMD) Segment Version 3.0.5.3*, Document Control No. TBMD.3.0.5.3.VDD-1, March 17, 1997.

3.2   Software Changes

The following software changes have been implemented in the TBMD Version 3.0.5.3 segment:

- The `VERSION` file number and the date now match the version numbers and the dates on the delivery letter, Version Description Document, tapes, and so forth.

- The PostInstall script now runs the `chmod` and the `chown` commands correctly on the TBMD home directory. The script changes directories to the `INSTALL_HOME` directory before executing the commands.

- The group id for files in the TBMD segment are now set to the standard GCCS group "`gccs`".

- The Hardware file disk usage is now accurate. The disk usage value represents the size of the TBMD segment directory plus 5MB of space for the event logging capability.

- The `Requires` file now references the `UBApps` segment versus the generic Core segment.

4.   Installation Instructions

WARNING: Before loading the TBMD Version 3.0.5.3 segment, the system must be correctly loaded with the GCCS 2.2 Runtime Environment.

Perform the following steps to install the TBMD Version 3.0.5.3 segment:

STEP 1:   Insert the tape into the drive on the workstation. Wait for the drive lights to stop flashing.

STEP 2:   Type the following commands at the Login window prompt:

    `sysadmin` [RETURN]

    `<password>` [RETURN]

STEP 3:   Select the `Segment Installer` option from the `Software` pull-down menu to load the TBMD Version 3.0.5.3 segment. The `SEGMENT INSTALLER` window appears.

STEP 4:   Select the appropriate `MEDIA DEVICE` using the `SELECT MEDIA` button in the `SEGMENT INSTALLER` window and then click on the `READ TOC` button.

STEP 5:   Highlight the `TBMD 3.0.5.3 Segment` entry in the `TABLE OF CONTENTS` portion of the window and click the `INSTALL` button.

The TBMD Version 3.0.5.3 segment should now be properly installed.

5. Known Problems and Errors

The following problems have been noted in the TBMD Version 3.0.5.3 segment (SPARC only):

- The audio alert functionality of TBMD works with the audio equipment built into the SPARCstation. However, the required audio drivers are not installed with the *End-User* installation of the Solaris 2.3 Operating System. The audio drivers must be installed either by specifying the full installation of Solaris 2.3 or by adding the driver using the Solaris distribution *Update* feature.

- The PLOT function and interface to the Central Database System (CDBS) are not supported in the TBMD Version 3.0.5.3 segment.

The following problems have been noted in the TBMD Version 3.0.5.3 segment (HP only):

- Sometimes, the `TBMD Summary` sub-windows lose some or all the pop-up menu items. For example, after using the `View TBM Track` window pop-up menu, only the `SHOW ATMOSPHERE` option displays instead of all the options (`SUMMARY`, `ZOOM AOI`, `DELETE`, and `CLOSE`). Also, the `TBMD Summary` window pop-up menu will only open at the bottom of the window. The pop-up menu will only display if the user clicks the right mouse button at or near the `TBMD Summary` window buttons. Other sub-windows of the `TBMD Summary` window, such as the `Status` window, do not have pop-up menus. In most cases the window button capability provides the same functionality as the pop-up menu options. Where the pop-up menu option is the only place for that functionality (such as the `DELETE TRACK` pop-up menu option in the `TBMD Summary` window), the menu option is available and works as expected.

- A yellow "box" obscures the first character of the edit fields in the `TBMD Header` window and the `TBMD Controls` window. The first character in all the edit fields can not be read by the system. If the edit field is highlighted the obscured character becomes visible.

- The PLOT function and interface to the CDBS are not supported in the TBMD Version 3.0.5.3 segment.